

DETAILED ACTION

1. This allowance is in response to the Applicant initiated interview on: 02/12/10.
2. Claims 1-24 are pending.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Chad R. Walsh (Reg#43235) on Feb. 12, 2010.

The application has been amended as follows:

Replace the entire claim 1 with the following:

1. A computer program product, tangibly embodied in a machine-readable storage device, the computer program product comprising instructions operable to cause a data processing apparatus to perform operations on a server comprising:

providing a server-side framework to an application on said server, the server-side framework comprising a controller and a view external to the application, the framework supporting predefined data types, each data type having a predefined rule;

receiving in the controller from the application a request for an object, the request

indicating one of the multiple predefined data types;

creating, by the controller, the object in response to the request, the object storing a default value of the indicated data type, the default value being stored in the object in a transfer format and in a process format, the process format being different from the transfer format, wherein the controller causes the view to retrieve the default value in the transfer format from the object;

generating a markup language page including the default value in the transfer format;

sending, by the view, the markup language page to a browser on a client;

receiving, in the controller, a user-supplied value in the transfer format from the browser, wherein the controller sends the user-supplied value to the object;

replacing in the object the default value in the transfer format with the user-supplied value in the transfer format, the object automatically converting the user-supplied value from the transfer format to the process format, the object storing the user-supplied value in the process format, the object automatically checking the compliance of the user-supplied value in the process format with the predefined rule; and

if the user-supplied value in the process format complies with the predefined rule, forwarding, by the object, the user-supplied value in the process format from the object to the application and otherwise the controller causes the view to automatically resend the markup language page to the browser with the user-supplied value in the transfer format.

Replace the entire claim 13 with the following:

13. A computer-implemented method operable on a server in a client-server system, the method comprising:

providing a server-side framework to an application on said server, the server-side framework comprising a controller and a view external to the application, the framework supporting predefined data types, each data type having a predefined rule;

receiving in the controller from the application a request for an object, the request indicating one of the multiple predefined data types;

creating, by the controller, the object in response to the request, the object storing a default value of the indicated data type, the default value being stored in the object in a transfer format and in a process format, the process format being different from the transfer format, wherein the controller causes the view to retrieve the default value in the transfer format from the object;

generating a markup language page including the default value in the transfer format;

sending, by the view, the markup language page to a browser on a client;

receiving, in the controller, a user-supplied value in the transfer format from the browser, wherein the controller sends the user-supplied value to the object;

replacing in the object the default value in the transfer format with the user-supplied value in the transfer format, the object automatically converting the user-supplied value from the transfer format to the process format, the object storing the

user-supplied value in the process format, the object automatically checking the compliance of the user-supplied value in the process format with the predefined rule; and

if the user-supplied value in the process format complies with the predefined rule, forwarding, by the object, the user-supplied value in the process format from the object to the application and otherwise the controller causes the view to automatically resend the markup language page to the browser with the user-supplied value in the transfer format.

Replace the entire claim 16 with the following:

16. A server computer system having at least one processor comprising:

means for providing a server-side framework to an application on said server, the server-side framework comprising a controller and a view external to the application, the framework supporting predefined data types, each data type having a predefined rule;;

means for receiving in the controller from the application a request for an object, the request indicating one of the multiple predefined data types;

means for creating, by the controller, the object in response to the request, the object storing a default value of the indicated data type, the default value being stored in the object in a transfer format and in a process format, the process format being different from the transfer format, wherein the controller causes the view to retrieve the default value in the transfer format from the object;

means for generating a markup language page including the default value in the

transfer format;

means for sending, by the view, the markup language page to a browser on a client;

means for receiving, in the controller, a user-supplied value in the transfer format from the browser, wherein the controller sends the user-supplied value to the object;

means for replacing in the object the default value in the transfer format with the user-supplied value in the transfer format, the object automatically converting the user-supplied value from the transfer format to the process format, the object storing the user-supplied value in the process format, the object automatically checking the compliance of the user-supplied value in the process format with the predefined rule; and

means for forwarding, by the object, the user-supplied value in the process format from the object to the application, if the user-supplied value in the process format complies with the predefined rule, and otherwise the controller causes the view to automatically resend the markup language page to the browser with the user-supplied value in the transfer format.

Cancel the following claims:

Claims 9, 15, and 18.

Allowable Subject Matter

7. Claims 1-8, 10-14, 16-17, and 19-24 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to the independent claims 1, 13, and 16, they now include language clarifying a specific type of controller, and view implementation/configuration which incorporates the use of an object that is created by the controller, to perform particular format conversions, data retention, and validation at the server-side.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILSON TSUI whose telephone number is (571)272-7596. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Stephen S. Hong/
Supervisory Patent Examiner, Art
Unit 2178

/Wilson Tsui/
Patent Examiner
Art Unit: 2178
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